

PENDING CLAIMS AS AMENDED

Please amend the claims as follows.

1. (Original) A method for a subscriber station registration in a broadcast communication system, comprising:

receiving a HSBS channel modulating a first frequency; and

monitoring a timer status for the HSBS channel, and if the timer status is expired:

performing a broadcast service registration with a sector transmitting the HSBS channel;

setting status of the timer for the HSBS channel to enabled; and

starting a timer for the HSBS channel.

2. (Original) The method as claimed in claim 1 wherein performing a broadcast service registration with a sector transmitting the HSBS channel further comprises:

transmitting a paging identifier to the sector.

3. (Original) The method as claimed in claim 2 wherein transmitting a paging identifier to the sector further comprises:

transmitting an identifier of the HSBS channel monitored by the subscriber station to the sector.

4. (Original) The method as claimed in claim 2 wherein transmitting a paging identifier to the sector further comprises:

transmitting an identifier of the frequency monitored by the subscriber station to the sector.

5. (Original) The method as claimed in claim 1, further comprising setting timer status to expired for all HSBS channels upon power-up of the subscriber station.

6. (Original) A method for a subscriber station registration in a broadcast communication system, comprising:

receiving a broadcast service registration from the subscriber station at a sector;
adding a paging identifier to the subscribers' station paging set; and
starting a timer for the paging identifier.

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7. (Original) The method as claimed in claim 6, further comprising:

monitoring a timer status of all paging identifiers for all subscriber stations' paging sets, and if a timer status of a paging identifier for a subscriber station is expired, then removing the paging identifier from the subscriber's station paging set.

8. (Currently Amended) The method as claimed in claim 6, further comprising adding an identifier for the frequency that the subscriber station monitors upon power-up to the subscribers' station paging set.

9. (Currently Amended) The method as claimed in claim 6 wherein adding a paging identifier to the subscribers' station paging set comprises:

adding an identifier of the HSBS channel monitored by the subscriber station to the subscribers' station paging set.

10. (Currently Amended) The method as claimed in claim 6 wherein adding an identifier to the subscribers' station paging set comprises:

adding an identifier of a frequency modulated by the HSBS channel monitored by the subscriber station to the subscribers' station paging set.

11. (Original) A method for paging a subscriber station in a broadcast communication system, comprising:

determining a status of the subscriber station's paging set;
determining paging channels on which to page the subscriber station in accordance with the determined status of the subscriber station's paging set; and
paging the subscriber station on all determined paging channels.

12. (Original) The method as claimed in claim 11 wherein said determining a status of the subscriber station's paging set comprises:

receiving at a subscriber station a HSBS channel modulating a first frequency;

monitoring at a subscriber station a timer status for the HSBS channel, and if the timer status is expired, then:

performing a broadcast service registration with a sector transmitting the HSBS channel;

setting status of the timer for the HSBS channel to enabled; and

starting a first timer for the HSBS channel;

receiving at the sector the broadcast service registration from the subscriber station;

adding at the sector a paging identifier to the subscribers' station paging set;

starting at the sector a second timer for the paging identifier;

monitoring at the sector a timer status of all paging identifiers for all subscriber stations' paging sets, and if a timer status of a paging identifier for a subscriber station is expired, then removing the paging identifier from the subscriber's station paging set.

13. (Original) The method as claimed in claim 11 wherein said determining a paging channel on which to page the subscriber station in accordance with the determined status of the subscriber station's paging set comprises:

determining frequencies on which to page the subscriber station in accordance with paging identifiers contained in the subscriber station paging set;

determining paging channels on which to page the subscriber station for each of the frequencies; and

paging the subscriber station on all determined paging channels.

14. (Original) The method as claimed in claim 11 wherein said determining a status of the subscriber station's paging set comprises:

transmitting from the subscriber station a first notification of a desire to receive a broadcast channel;

transmitting from the subscriber station a second notification a desire to cease broadcast channel reception;

adding a paging identifier to the subscriber station paging set upon receiving the first notification; and

removing the paging identifier from the subscriber station paging set upon receiving the second notification.

15. (Currently Amended) The method as claimed in claim 14, further comprising:

A transmitting from the sector permission to receive the broadcast channel in response the first notification; and

receiving at the subscriber station the broadcast channel after receiving the permission.

16. (Original) The method as claimed in claim 11 wherein said determining a status of the subscriber station's paging set comprises:

transmitting from the subscriber station a notification of a desire to receive a broadcast channel modulating a second frequency different from the first frequency monitored by the subscriber station;

removing an identifier of the first frequency from the subscriber station paging set upon receiving the notification; and

adding an identifier of the first frequency to the subscriber station paging set upon receiving the first notification.

17. (Original) The method as claimed in claim 16, further comprising:

transmitting from the sector permission to receive the broadcast channel in response the first notification; and

receiving at the subscriber station the broadcast channel after receiving the permission.

18. (Cancelled)

19. (Original) A method for paging a subscriber station in a broadcast communication system, comprising:

determining a frequency that the subscriber station monitors upon power-up;

determining all frequencies modulated by broadcast channels;

determining paging channels on which to page the subscriber station for each of the frequencies; and

A paging the subscriber station on all determined paging channels.

Claims 20-31 (Cancelled)
